

Safety Management Systems Implementation

Western Pacific Airports Conference

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**Federal Aviation
Administration**



BACKGROUND – What is SMS

Systems Safety-



Proactive vs. Reactive



Balance between safety and production



Future demands on the Air Transportation System



BACKGROUND (Continued)

ICAO Standard

Annex 14

USOAP Audit Finding

FAA Requirement

FAA Orders and Regulations

Air Traffic Control

Air Carriers

Airport Operators



Office of Airport Safety and Standards (AAS) Initiatives

Advisory Circular-

- 🚩 Introduce SMS Concepts
- 🚩 Define SMS minimum requirements
 - Policy
 - Safety Risk Management
 - Safety Assurance
 - Safety Promotion



Office of Airport Safety and Standards (AAS) Initiatives

Transportation Research Board-

- 🚩 Airport Cooperative Research Program
- 🚩 Guidebook for Developing Airport Safety Management Systems
- 🚩 MITRE – White Paper to discuss the benefits of an Airport SMS



Office of Airport Safety and Standards (AAS) Initiatives

Pilot Study

20 Airports Received AIP Grants

FAA Web site and discussion board



Scalability

Determine size and complexity applications



SMS Pilot Study Deliverables

🚩 Safety Program Manual

Why is it a separate document?



🚩 SPM Deliverables

Gap Analysis (Dec 1, 2007)

SPM Plan Draft (April 1, 2008)

SPM Plan Final (June 1, 2008)



🚩 6 to 8 month time frame

Common GAP Analysis Findings

- ❌ Safety Policy
- ❌ Safety Program Integration
- ❌ Non-Punitive Safety Reporting
- ❌ Defined Risk Management Process
- ❌ Documentation



Self Assessment Tools for GAP Analysis

Docs section

- 🚩 VPP Site Report Template
- 🚩 Dept of Labor Voluntary Protection Plan
- 🚩 ATO SMS Manual
- 🚩 Transport Canada's Safety Culture Template
- 🚩 Interview Responses from Mitre

Questions??

Contact-



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